



ITW

Application No. 10/570,125

Information Disclosure Statement Dated July 16, 2007

Attorney Docket No. 4647-060533

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/570,125 Confirmation No. 7408
Applicants : **Albert J. BANES et al.**
Filed : October 23, 2006
Title : **MODULATION OF CELL INTRINSIC STRAIN TO
CONTROL MATRIX SYNTHESIS, SECRETION,
ORGANIZATION AND REMODELING**
Group Art Unit : 1633
Examiner : Not Yet Assigned
Customer No. : 28289

INFORMATION DISCLOSURE STATEMENT

MAIL STOP AMENDMENT

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the requirements of 37 CFR §§ 1.56, 1.97, and 1.98, the Applicants hereby submit this Information Disclosure Statement (IDS), together with completed Forms PTO/SB/08a and PTO/SB/08b, and copies of non-patent and foreign references listed thereon. The cited U.S. patents are not enclosed pursuant to the waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for U.S. national patent applications filed after June 30, 2003.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 16, 2007.

Kay E. Yetter

(Name of Person Mailing Paper)

Signature

07/16/2007

Date

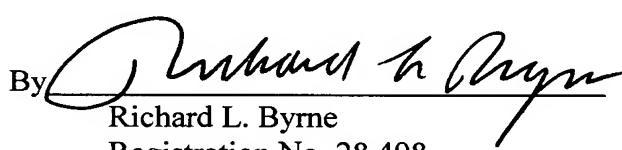
Application No. 10/570,125
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Attorney Docket No. 4647-060533

The above-identified application is in the national phase of PCT/US2004/029007, filed on September 3, 2004. The Holovet, Rotsch, and Awad non-patent documents, as well as U.S. Patent Nos. 5,912,234 and 4,940,853 submitted in this IDS were cited in the International Search Report (ISR) for the PCT application. A copy of the ISR is enclosed for the Examiner's convenience. WO 97/32016 and U.S. Patent Nos. 5,593,874; 5,698,425; 5,712,135; 5,789,214; and 5,804,693 were cited on page 8 of the specification. WO 02/46365 is the publication number for PCT/US01/47745, which is cited on page 14 of the specification. U.S. Patent No. 6,472,202 was also cited on page 14 of the specification. All other references are otherwise known to Applicants.

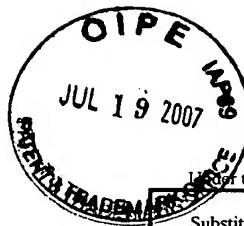
Since this Information Disclosure Statement is being submitted before the mailing date of a first Office Action on the merits, it is timely under 37 C.F.R. §1.97(b)(3) and no fee is required. The Commissioner of Patents and Trademarks is hereby authorized to charge any additional fees which may be required to Deposit Account No. 23-0650. One (1) original and one (1) copy of this Information Disclosure Statement are enclosed.

Respectfully submitted,
THE WEBB LAW FIRM

By



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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2	Attorney Docket Number	4647-060533
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
		US-	4,940,853	07-10-1990	Vandenburgh	
		US-	5,698,425	12-16-1997	Ligon et al.	
		US-	5,712,135	01-27-1998	D'Halluin et al.	
		US-	5,789,214	08-04-1998	Ryals et al.	
		US-	5,804,693	09-08-1998	Gaffney et al.	
		US-	5,912,234	06-15-1999	Ruosahti et al.	
		US-	5,593,874	01-14-1997	Brown et al.	
		US-	6,472,202 B1	10-29-2002	Banes	
		US-	6,586,235 B1	07-01-2003	Banes	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)					
		WO 02/46365	A2	06-13-2002	Flex-Cell International Corp.		
		WO 97/32016	A1	09-04-1997	The Ohio State Research Fdn.		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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Of

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<i>Complete if Known</i>	
Application Number	10/570,125
Filing Date	October 23, 2006
First Named Inventor	Albert J. Banes
Art Unit	1633
Examiner Name	Not Yet Assigned
Attorney Docket Number	4647-060533

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Myron Spector, Connective Tissue Cells with Muscle: Expression of Muscle Actin in and Contraction of Fibroblasts, Chondrocytes, and Osteoblasts, HARVARD ORTHOPAEDIC JOURNAL: ARTICLES, 2000	
		Gildner et al, Fibronectin Polymerization Enhances the Tensile Mechanical Properties of Cell-Imbedded Collagen Gels, SUMMER BIOENGINEERING CONFERENCE, June 25-29, 2003, pages 0093-94	
		Stamenovic et al., Cellular Responses to Mechanical Stress Invited Review: Engineering Approaches to Cytoskeletal Mechanics, JOURNAL OF APPLIED PHYSIOLOGY, Vol 89, Issue 5, November 2000, pages 2085-2090	
		Awad et al., <i>In Vitro</i> Characterization of Mesenchymal Stem Cell-Seeded Collagen Scaffolds for Tendon Repair: Effects of Initial Seeding Density on Contraction Kinetics, J. BIOMED., 2000, Vol. 51, pages 233-240	
		Holvoet et al., The Inhibition of MAPK Pathway is Correlated with Down-Regulation of MMP-9 Secretion Induced by TNF- α in Human Keratinocytes, EXPERIMENTAL CELL RESEARCH, 2003, Vol. 290, pages 108-119	
		Rotsch et al., Drug-Induced Changes of Cytoskeletal Structure and Mechanics in Fibroblasts: An Atomic Force Microscopy Study, BIOPHYSICAL JOURNAL, Vol. 78, January 2000, pages 520-535	
		Garvin et al., Novel System for Engineering Bioartificial Tendons and Application of Mechanical Load, TISSUE ENGINEERING, Vol. 9, Number 5, 2003, pages 967-979	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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